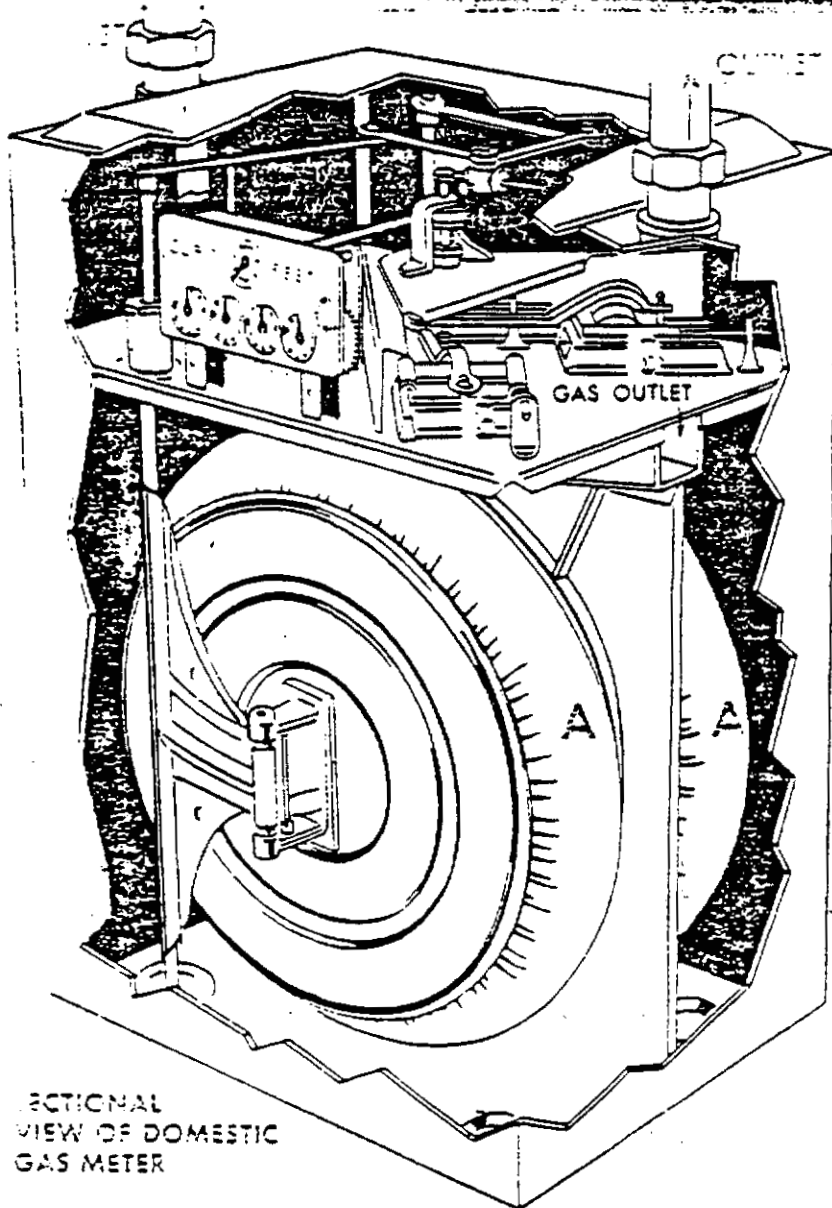
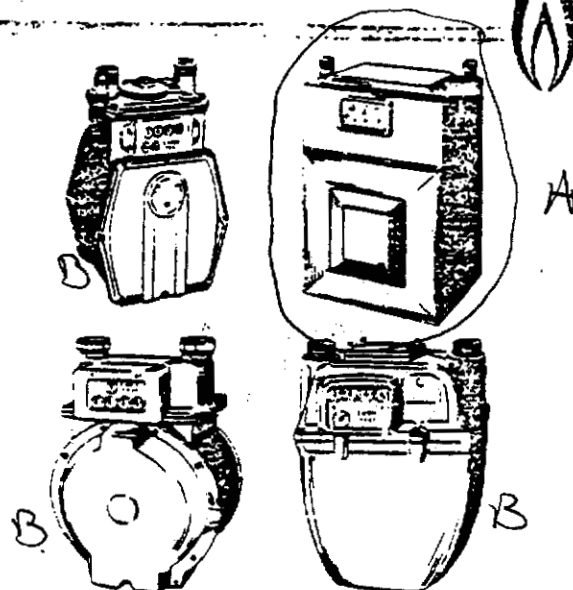


HOW A GAS METER WORKS



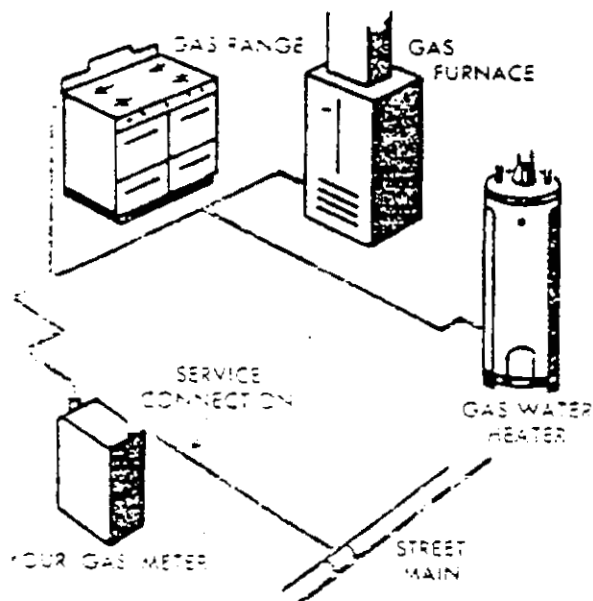
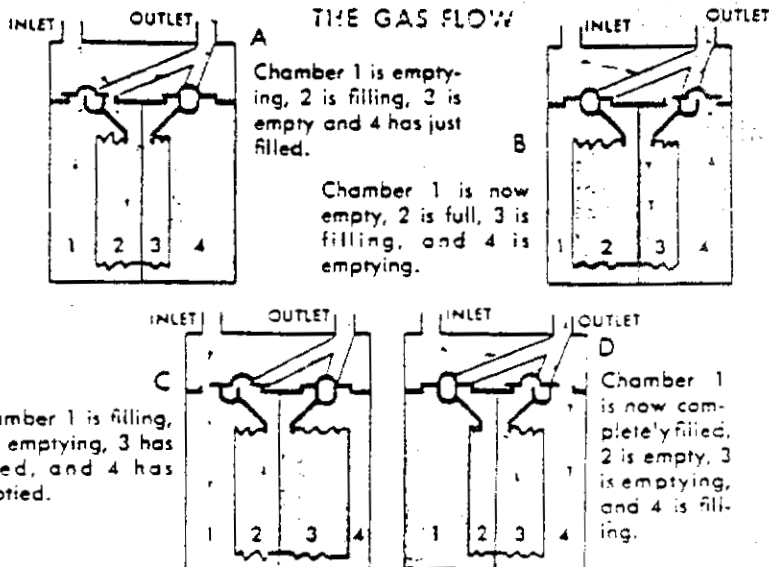
SECTIONAL VIEW OF DOMESTIC GAS METER



When you turn on the gas—

- the pressure drops a little in the gas "outlet" line from the meter to your appliance. But pressure in the "inlet" line going into the meter stays high. This causes an unbalanced pressure in the meter. The unbalanced pressure pushing on a movable diaphragm or bellows A makes it expand like an accordion. Gas flows.
- the flow of gas into and out of the separate chambers in the meter is controlled by sliding valves B so that the gas output is smooth and steady.
- each of the chambers is filled with the same volume of gas every time.
- the meter dials C keep count of the number of times the chambers are filled and emptied. Thus the volume of gas that passes through the meter is recorded.
- as long as you are using gas in your home appliances there is an unbalanced pressure in your meter, and the meter operates.

HERE'S HOW SLIDING VALVES CONTROL THE GAS FLOW



ORIGINAL FILE
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